

Converting Colors

XYZ(52.0893, 43.6242, 7.3070)

Have a look what the booklet for
XYZ(52.0893, 43.6242, 7.3070)
contains.

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Color

**XYZ(52.2177, 43.7925,
7.3697)**

Conversions

Conversions Part 1

Format	Color
Hex	FD9924
RGB	253, 153, 36
RGB Percent	99%, 60%, 14%
CMY	0.0078, 0.4000, 0.8588
CMYK	0.00, 0.40, 0.86, 0.01
HSL	32°, 98%, 57%
HSV	32°, 86%, 99%
XYZ	52.2177, 43.7925, 7.3697
YIQ	169.5620, 97.1570, -15.1870

Conversions

Conversions Part 2

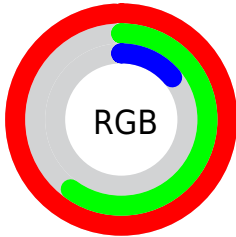
Format	Color
RYB	221, 253, 36
Decimal	16619812
CIELab	72.09, 29.81, 70.37
CIElCh	72, 76.426, 67.041
Yxy	43.7925, 0.5051, 0.4236
Android (android.graphics.Color)	4294809892 (0xFFFD9924)
YUV	169.5620, -65.8461, 73.1751
Hunter-Lab	66.1759, 25.0419, 39.7203

Details

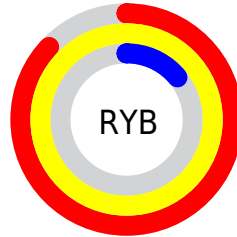
The XYZ color **52.2177, 43.7925, 7.3697** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **27.2609, 25.0744, 96.3308**, and the grayscale version is **38.2751, 40.2684, 43.8523**.

A 20% lighter version of the original color is **65.8163, 67.1799, 20.0878**, and **25.8889, 20.2545, 2.5450** is the 20% darker color. If you saturate the color by 10%, you get **50.1429, 40.0589, 5.3970**, and if you desaturate by 10%, it is **54.7532, 48.0125, 10.8396**.

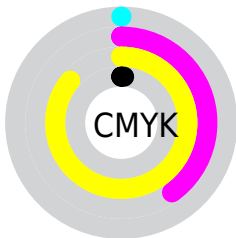
Distribution



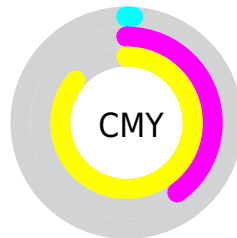
- Red (99%)
- Green (60%)
- Blue (14%)



- Red (87%)
- Yellow (99%)
- Blue (14%)



- Cyan (0%)
- Magenta (40%)
- Yellow (86%)
- Black (1%)



- Cyan (1%)
- Magenta (40%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.2177, 43.7925, 7.3697 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 52.2177, 43.7925, 7.3697 by changing the saturation by 10% instead.

52.2177, 43.7925,
7.3697

52.2177, 43.7925,
7.3697

385.5866,
361.8609, 180.4471

37.4036, 30.5074,
3.6124

92.6245, 80.9054,
21.2386

25.6952, 20.2240,
1.4152

118.9480,
105.5020, 32.1873

16.7273, 12.5580,
0.1536

149.8386,
134.6380, 46.3702

10.1343, 7.1249,
0.0000

185.6618,
168.6976, 64.2059

5.5511, 3.5403,
0.0000

226.7828,
208.0653, 86.1129

2.6121, 1.4199,
0.0000

273.5670,

0.9521, 0.2313,

253.1255, 112.5097

0.0000

326.3799,
304.2625, 143.8149

■ 0.0000, 0.0000,
0.0000

■ 52.2177, 43.7925,
7.3697

■ 52.2177, 43.7925,
7.3697

■ 50.1429, 40.0589,
5.3970

■ 54.7532, 48.0125,
10.8396

■ 49.3706, 38.6083,
4.8500

■ 57.8009, 52.7421,
16.0662

■ 61.4065, 58.0091,
23.2619

■ 65.6089, 63.8368,
32.6078

■ 70.4429, 70.2463,
44.2643

■ 75.9400, 77.2574,
58.3763

■ 82.1296, 84.8887,
75.0768

■ 89.0390, 93.1576,
94.4892

94.3177, 99.6225,
108.8657

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



65.0817, 43.7925, 16.1373



52.2177, 43.7925, 7.3697



38.6180, 43.7925, 5.9814

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



52.2177, 43.7925, 7.3697



21.3300, 43.7925, 57.0611



58.6738, 43.7925, 131.3079

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



52.2177, 43.7925, 7.3697



27.2609, 25.0744, 96.3308

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



44.7809, 43.7925, 160.7395



52.2177, 43.7925, 7.3697



24.6118, 43.7925, 105.5152

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



52.2177, 43.7925, 7.3697



22.5046, 43.7925, 24.7548



32.5688, 43.7925, 149.4164



69.3209, 43.7925, 81.6336

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



52.2177, 43.7925, 7.3697



31.2106, 43.7925, 8.0114



32.5688, 43.7925, 149.4164



54.1276, 43.7925, 144.8250

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



52.2187, 43.7948, 7.3705



77.1692, 78.4739, 59.0533



45.6734, 23.9584, 25.9854



16.0868, 16.2532, 11.5164



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



52.2187, 43.7948, 7.3705



50.2562, 39.2924, 4.9354



73.3675, 89.9280, 15.1604



18.8207, 19.6097, 18.9374



26.4111, 20.8334, 2.6292



2.6809, 2.2472, 0.2924

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



27.2609, 25.0744, 96.3308



24.4703, 20.0606, 97.1901



19.3668, 8.8726, 93.6196



17.6928, 18.7571, 22.9379



12.9318, 10.7732, 50.8324



1.3670, 1.2646, 4.9853

Previews

White Background



This preview shows how the XYZ color 52.2177, 43.7925, 7.3697 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 52.2177, 43.7925, 7.3697 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 52.2177, 43.7925, 7.3697

Background



This preview shows how black text looks on a background with the XYZ color 52.2177, 43.7925, 7.3697.



This preview shows how white text looks on a background with the XYZ color 52.2177, 43.7925,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

52.2177, 43.7925, 7.3697

Protanopia

39.8915, 44.1501, 8.6098

Deuteranopia

44.9296, 43.9271, 7.0880



Tritanopia

57.1981, 43.8439, 36.0199

Trichromacy



Original Color

52.2177, 43.7925, 7.3697

Protanomaly

43.7844, 43.5892, 8.1134

Deuteranomaly

47.5925, 43.9503, 7.2032

Tritanomaly

54.3322, 43.3983, 20.5520

Monochromacy



Original Color

52.2177, 43.7925, 7.3697

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

40.5461, 40.2108, 23.7136

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.2177, 43.7925, 7.3697 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(253, 153, 36)` looks like.

```
.text, #text, p{  
    color:rgb(253, 153, 36)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(253, 153, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 153, 36) }
```

Border

The CSS property to change the border of an element to XYZ 52.2177, 43.7925, 7.3697 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(253, 153, 36) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(253, 153, 36) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(253, 153, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 153, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 153, 36);  
box-shadow:4px 4px 4px 4px rgb(253, 153,  
36) }
```

Background

The CSS property to change the background color of an element to XYZ 52.2177, 43.7925, 7.3697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 153, 36) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(253,  
153, 36) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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